

AMENDMENTS TO THE ABSTRACT

The present invention relates to a system (1) for improving the fixation of proximal fractures of the humerus, including at least a humeral nail (10) to be inserted for insertion in a humeral shaft (9) and comprising at least including proximal transversal holes (5, 6, 7) for the passage of corresponding locking screws (3), at least a screw of said locking screws (3) each having a screw head (4) and a screw body (31). The system further includes at least an intermediate plate element (15) inserted between the screw head (4) and the bone cortex surface (14) so that the head (4) is abutting against the plate (15). The intermediate plate element (15) is slightly bent to adhere substantially to the bone cortex surface (14) and comprises is formed of a couple of elongated arm portions (18, 19) that are inserted in an astride position on the screw body before the final fastening of the screw head (4). This solution allows to enlarge an enlargement of the abutting surface of the locking screw head against the bone cortex, thus allowing a stronger fastening action and avoiding a rotation of the screw.